

## 5.0. Reporting of Monitoring Results

### 5.1. Developing an Inspection Plan

The development and implementation of an inspection plan is required for landowners enrolled under Waiver categories 2, 3, 4, and 5. The inspection plan should outline how and where the various monitoring strategies (i.e., implementation, effectiveness, forensic, etc.) will be implemented. An inspection plan should state the general monitoring objectives, monitoring assumptions, and monitoring methods.

The general objectives of all inspection plans should be the following:

1. Ensure that all management measures are installed and functioning prior to rain events (i.e., implementation monitoring);
2. Ensure that management measures are effective in controlling sediment discharges throughout the winter period (i.e., effectiveness monitoring);
3. Ensure that no new sediment sources develop during the winter period (i.e., forensic monitoring).

Arguably, the most important component of an inspection plan is identifying the portions of the THP that have the highest likelihood of affecting water quality. Therefore, inspection plans must describe which portions of the THP will be visited during monitoring activities.

For THPs and timber sale projects that exceed 100 acres in size, the landowner must include a monitoring point (inspection location) site map. The site map shall include monitoring points/inspection locations to be visited during the implementation, forensic, and effectiveness monitoring. Monitoring points and inspection locations can also include the portions of the plan that are readily visible from access roads. Monitoring points include:

- Visual Monitoring Points – Visual monitoring points shall be delineated on the monitoring point site map and include roads, watercourse crossings, landings, skid trails, water diversions, known or suspected landslides, and all accessible watercourse confluences.
- Photo-point monitoring points shall be delineated on the monitoring point site map and shall be identified in the field by use of rebar, flagging or other method that will last throughout the active discharge period of the proposed project. Implementation photo-point monitoring is automatically required when conditions listed for soils, unstable areas and large watercourse crossings in Category 4, Eligibility Criteria b. are present. Forensic photo-point monitoring is required when a significant discharge of sediment is detected or when failed management measures cause or may cause the release of 10 cubic yards (or more) of sediment to watercourses. Photo-point monitoring is required when Effectiveness Monitoring indicates that there were management measure

failure(s) that resulted in a significant discharge of sediment to a Class I or Class II watercourse. Effectiveness photo-point monitoring shall include photos of streambed conditions immediately downstream of areas where significant discharges of sediment occurred. Monitoring points for Category 3 (nonfederal lands) will be determined during the pre-harvest inspection when Regional Board staff is present.

## **5.2. Annual Reporting**

Landowners must submit an Annual Monitoring Report to the Executive Officer by July 15 for inspections covering the previous winter period for every year a timber harvest activity is enrolled in the Waiver. An Annual Monitoring Report need not be submitted for timber harvest activities that were started after the winter period until the following year. The Annual Monitoring Report shall include the date and type of each inspection, the inspector's name and title, the location of each inspection including the name and number of the plan, notice, sale or project, and the title and name of the person submitting the report, the inspection findings, any photos along with the date and time they were taken, and shall describe how the requirements of the Monitoring and Reporting Program were met. A landowner may submit a single Annual Monitoring Report for all timber harvest activities conducted for the year under a CDF approved Sustained Yield Plan (SYP).

Examples of Annual Monitoring Report forms are included in the appendix. Forms 1A, 1B, and 1C provide a detailed Annual Reporting template for the implementation, forensic, and effectiveness phases of monitoring, respectively. Forms 1A, 1B, 1C can also be used as field forms. Depending upon the monitoring requirements for the timber harvest activity, one or more of the forms can be submitted as an Annual Report. For landowners with multiple THPs, we suggest that monitoring activities also be summarized on a summary spreadsheet. Form 2 provides a format for summarizing monitoring activities for landowners with multiple THPs. Submitters are also strongly urged to submit site maps with their inspection routes and inspection locations.

## **5.3. Violation Reporting**

Landowners shall report violations, by telephone, no later than 48 hours after detection. This includes violations, or suspected violations, of an applicable water quality control plan requirement, failure of a major management measure (i.e., large fill; watercourse diversion; or failure of a road or skid trail that delivers to a watercourse), any new landslide that may discharge sediment to watercourses, and any violation of the Eligibility Criteria and Conditions listed in the Waiver (Attachment A). A written report regarding such violations or management measure failures shall be submitted within 14 days following detection and shall include the following:

- Date the violation(s) or failure(s) were discovered;
- Name and title of the person(s) discovering the violation(s) or failure(s);

- Map indicating location of violation(s) or failure(s);
- Nature and extent of violation(s) or failure(s);
- Photos of site characterizing the violation(s) or failure(s);
- Corrective management measures implemented to date;
- Implementation schedule for additional corrective actions;
- Signature and title of person preparing report.

#### 5.4. Report Submission and Contact Information

Annual reports can be sent as paper copies or on a compact disc (CD) along with a cover letter. Annual reports for THPs filed in **Tehama, Shasta, Lassen, Glenn, Butte, Siskiyou, Yuba, Sierra, Modoc, or Plumas** counties shall be submitted to the Redding office:

Central Valley Regional Water Quality Control Board  
Attn: Timber Harvest  
415 Knollcrest Drive, Suite 100  
Redding, CA 96002

Annual reports for THPs filed in **Lake, Nevada, Placer, El Dorado, Amador, Calaveras, or Tuolumne** counties shall be submitted to the Sacramento office:

Central Valley Regional Water Quality Control Board  
Attn: Timber Harvest  
11020 Sun Center Drive, #200  
Rancho Cordova, CA 95670-6114

Annual reports for THPs filed in **Fresno, Kern, Madera, Mariposa, or Tuolumne** counties shall be submitted to the Fresno office:

Central Valley Regional Water Quality Control Board  
Attn: Timber Harvest  
1685 "E" Street  
Fresno, CA 93706-2007

Any questions regarding monitoring requirements should be directed to the following staff:

Office	Contact	Counties Administered	Phone Number	Email
Redding	Angela Wilson	Tehama Plumas	530-224-4856	awilson@waterboards.ca.gov
	Drew Coe	Butte, Glenn, Yuba, Sierra	530-224-2437	dbrcoe@waterboards.ca.gov
	Debra Hallis	Lassen, Modoc, Siskiyou	530-224-4801	dhallis@waterboards.ca.gov
	Matt Boone	Shasta	530-224-4849	mboone@waterboards.ca.gov

Sacramento	Marty Hartzell	Lake, Nevada, Placer, El Dorado (north of Hwy 50)	916-464-4630	mhartzell@waterboards.ca.gov
	Chris Cochrane	El Dorado (south of Hwy 50), Amador, Calaveras, Tuolumne	916-464-4820	cmcochrane@waterboards.ca.gov
Fresno	Anthony Toto	Kern, Tulare, Fresno, Madera, Mariposa	559-445-6278	atoto@waterboards.ca.gov
	Kerry Elliot	Kern, Tulare, Fresno, Madera, Mariposa	559-445-6126	kwelliot@waterboards.ca.gov

## 6.0. Literature Cited

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## **7.0. Appendix: Monitoring Forms**

The following forms are suggested formats for Annual Reporting:

- Form 1A** – Use for reporting results of implementation monitoring;
- Form 1B** - Use for reporting results of forensic monitoring;
- Form 1C** - Use for reporting results of effectiveness monitoring;
- Form 2** - Use to summarize monitoring for landowners with multiple THPs.

**Form 1A: Implementation Monitoring for Water Year:** \_\_\_\_\_

**Submitter's Name:** \_\_\_\_\_ **Page** \_\_\_\_ **of** \_\_\_\_.

**Submitter's Title:** \_\_\_\_\_

**Date of Report:** \_\_\_\_\_

**THP #:** \_\_\_\_\_ **THP Name:** \_\_\_\_\_

**Legal Description(s):** \_\_\_\_\_

**Seasonal Completion:** \_\_\_\_\_

**Waiver Category:** \_\_\_\_\_

**Inspector's Name:** \_\_\_\_\_ **Date(s):** \_\_\_\_\_

**Inspector's Title:** \_\_\_\_\_

**Inspection Findings:**

# Form 1B: Forensic Monitoring for Water Year:

Submitter's Name: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_.

Submitter's Title: \_\_\_\_\_

Date of Report: \_\_\_\_\_

THP #: \_\_\_\_\_ THP Name: \_\_\_\_\_

Legal Description(s): \_\_\_\_\_

Seasonal Completion: \_\_\_\_\_

Waiver Category: \_\_\_\_\_

Forensic Monitoring (Post 5" Precipitation): \_\_\_\_\_ Cumulative Precipitation: \_\_\_\_\_

Storm Precipitation: \_\_\_\_\_ Weather: \_\_\_\_\_

Inspector's Name : \_\_\_\_\_ Inspector's Title: \_\_\_\_\_

Date(s): \_\_\_\_\_

Inspection Findings:

Forensic Monitoring (Post 15" Precipitation): \_\_\_\_\_ Cumulative Precipitation: \_\_\_\_\_

Storm Precipitation: \_\_\_\_\_ Weather: \_\_\_\_\_

Inspector's Name : \_\_\_\_\_ Inspector's Title: \_\_\_\_\_

Date(s): \_\_\_\_\_

Inspection Findings:



**Form 1C: Effectiveness Monitoring for Water Year:** \_\_\_\_\_

**Submitter's Name:** \_\_\_\_\_ **Page** \_\_\_\_ **of** \_\_\_\_.

**Submitter's Title:** \_\_\_\_\_

**Date of Report:** \_\_\_\_\_

**THP #:** \_\_\_\_\_ **THP Name:** \_\_\_\_\_

**Legal Description(s):** \_\_\_\_\_

**Seasonal Completion:** \_\_\_\_\_

**Waiver Category:** \_\_\_\_\_

**Inspector's Name:** \_\_\_\_\_ **Date(s):** \_\_\_\_\_

**Inspector's Title:** \_\_\_\_\_

**Inspection Findings:**

**Submitter's Name:**

Page \_\_\_\_ of \_\_\_\_

**Submitter's Title:**

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